

COMMUNICATION
Serial Number: 09/521524
Filing Date: March 8, 2000
Title: RAPID GENERATION OF RECOMBINANT ADENOVIRAL VECTORS

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In the Claims

Claims 1-35 [cancelled]

D.E. Aug. 25

36. [New] A method for producing recombinant adenovirus consisting of transfecting a host cell with
 - (a) an Ad backbone plasmid comprising an Ad genome lacking map units 0 to 9.2, wherein the numbering of the map units starts with the lefthand ITR, and
 - (b) a shuttle plasmid comprising Ad sequences from 0 to 1 map units and 9.2 to 16.1 map units of an Ad genome, wherein the shuttle plasmid is present in an amount of about fifteen times molar ratio as compared to an amount of the backbone plasmid.
37. [New] The method of claim 36, wherein the transfecting is by a calcium phosphate method of transfection.
38. [New] The method of claim 36, wherein the Ad backbone plasmid is pacAd5 9.2-100/SwaI, pacAd5 9.2-100/E3Δ-RSVntLacZ, pacAd5 9.2-100/E3Δ1.8, pacAd5 9.2-100/E3Δ2.6, pacAd5 9.2-100/E3Δ3.1, pacAd5 9.2-100/E3Δ-RSVeGFP, pacAd5 9.2-100/E3ΔE4orf6, pacAd5 9.2-100/E4Δ, or pacAd5 9.2-100.
39. [New] Ad backbone plasmid pacAd5 9.2-100/SwaI, pacAd5 9.2-100/E3Δ-RSVntLacZ, pacAd5 9.2-100/E3Δ1.8, pacAd5 9.2-100/E3Δ2.6, pacAd5 9.2-100/E3Δ3.1, pacAd5 9.2-100/E3Δ-RSVeGFP, pacAd5 9.2-100/E3ΔE4orf6, pacAd5 9.2-100/E4Δ, or pacAd5 9.2-100.
40. [New] A cloning system for generating recombinant adenovirus comprising:
 - (a) Ad backbone plasmid pacAd5 9.2-100/SwaI, pacAd5 9.2-100/E3Δ-RSVntLacZ, pacAd5 9.2-100/E3Δ1.8, pacAd5 9.2-100/E3Δ2.6, pacAd5 9.2-100/E3Δ3.1,

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pacAd5 9.2-100/E3Δ-RSVeGFP, pacAd5 9.2-100/E3ΔE4orf6, pacAd5 9.2-100/E4Δ, or pacAd5 9.2-100, and

(b) a shuttle plasmid comprising Ad sequences from 0 to 1 map units and 9.2 to 16.1 map units of an Ad genome.

41. [New] A host cell comprising:

(a) Ad backbone plasmid pacAd5 9.2-100/SwaI, pacAd5 9.2-100/E3Δ-RSVntLacZ, pacAd5 9.2-100/E3Δ1.8, pacAd5 9.2-100/E3Δ2.6, pacAd5 9.2-100/E3Δ3.1, pacAd5 9.2-100/E3Δ-RSVeGFP, pacAd5 9.2-100/E3ΔE4orf6, pacAd5 9.2-100/E4Δ, or pacAd5 9.2-100, and

(b) a shuttle plasmid comprising Ad sequences from 0 to 1 map units and 9.2 to 16.1 map units of an Ad genome.

42. [New] The host cell of claim 41, wherein the cell is an animal cell.

43. [New] A method for producing recombinant adenovirus consisting of contacting a host cell with

(a) Ad backbone plasmid pacAd5 9.2-100/SwaI, pacAd5 9.2-100/E3Δ-RSVntLacZ, pacAd5 9.2-100/E3Δ1.8, pacAd5 9.2-100/E3Δ2.6, pacAd5 9.2-100/E3Δ3.1, pacAd5 9.2-100/E3Δ-RSVeGFP, pacAd5 9.2-100/E3ΔE4orf6, pacAd5 9.2-100/E4Δ, or pacAd5 9.2-100, and

(b) a shuttle plasmid comprising Ad sequences from 0 to 1 map units and 9.2 to 16.1 map units of an Ad genome.